Active Recombinant Human PREP Protein, His-tagged

Cat. No. PREP-2376H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Prolyl oligopeptidase (POP)/Prolyl endopeptidase (PREP) protein with N-terminal His-tag was expressed in an E. coli expression system.
Species	Human
Source	E.coli
ProteinLength	1-710 a.a.
Description	The protein encoded by this gene is a cytosolic prolyl endopeptidase that cleaves peptide bonds on the C-terminal side of prolyl residues within peptides that are up to approximately 30 amino acids long. Prolyl endopeptidases have been reported to be involved in the maturation and degradation of peptide hormones and neuropeptides.
Form	Aqueous buffer solution
Bio-activity	≥ 30 pmol/min/μg.
Molecular Mass	81.6 kDa
Applications	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
Usage	Assay Conditions: 10 mM Tris-HCl, pH 7.4, 10 mM $MgCl_2$, 0.05% Tween 20, 20 μM DPP substrate 1 (A-P-AMC), 30 min at room temperature.

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Notes	OUR PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.
Stability	At least 6 months at –80 centigrade. Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).
Storage Buffer	45 mM Tris-HCL, pH 8.0, 124 mM NaCL, 2.4 mM KCL, 3 mM DTT, 10% Glycerol and variable amounts of Imidazole.
Warning	Avoid freeze/thaw cycles
Full Length	Full L.

GENE INFORMATION

Gene Name	PREP prolyl endopeptidase [Homo sapiens (human)]
Official Symbol	PREP
Synonyms	PREP; prolyl endopeptidase; PE; PEP; prolyl endopeptidase; dJ355L5.1 (prolyl endopeptidase); post-proline cleaving enzyme; prolyl oligopeptidase; EC 3.4.21.26
Gene ID	5550
mRNA Refseq	NM_002726
Protein Refseq	NP_002717
MIM	600400
UniProt ID	P48147

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Specific Activity	
SDS-PAGE	

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